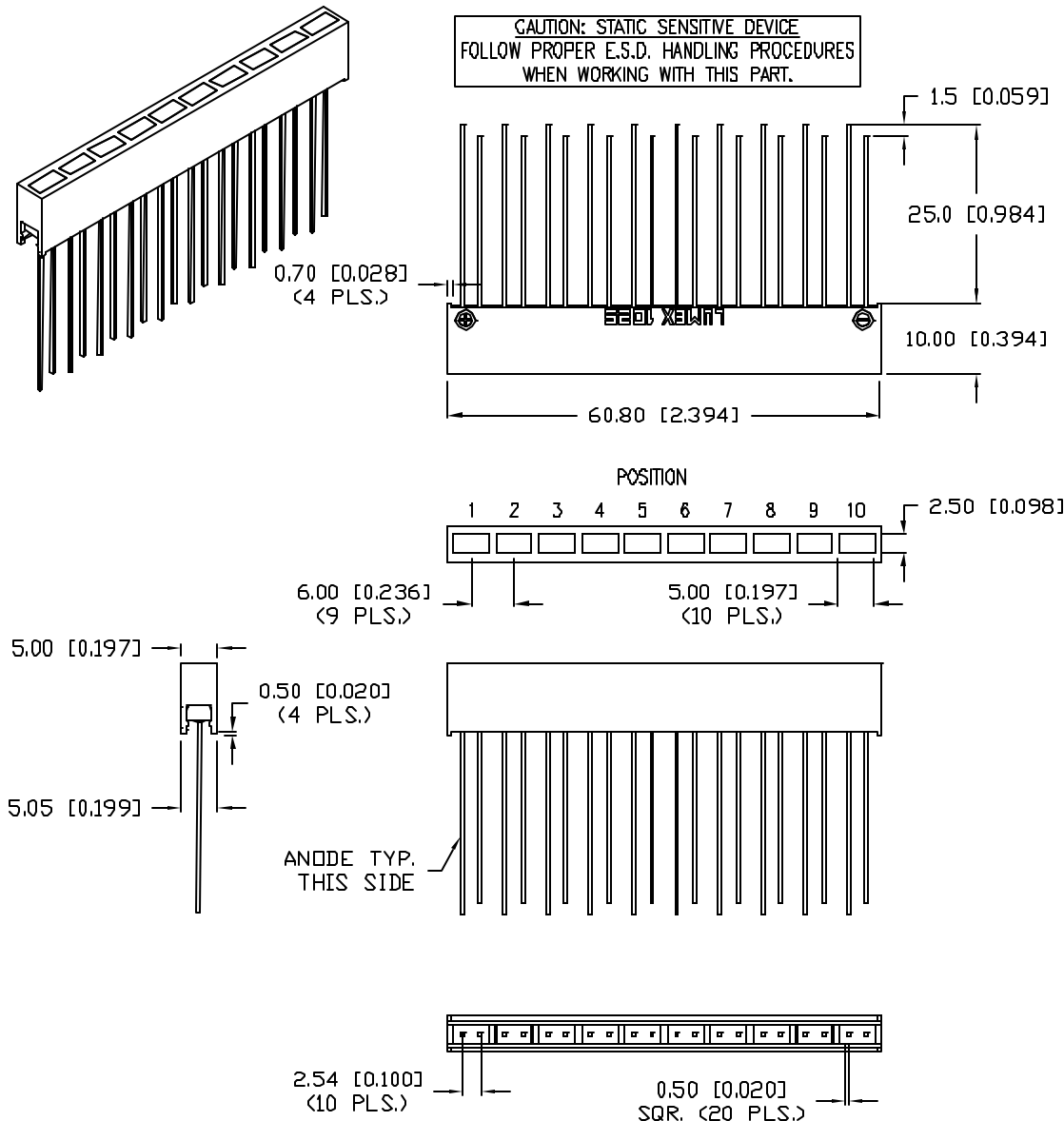


CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	GREEN	BLUE	RED	UNITS	TEST COND
PEAK WAVELENGTH	565	430	635	nm	
FORWARD VOLTAGE (TYP.)	2.2	4.5	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.6	5.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	10	3	15	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	110	110	110	2x theta	
LED POSITION:	1~8	9	10		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR					

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/B/R)	25/30/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

* $t < 10\mu\text{s}$

NOTES:

- SSH-LXH1025 HOLDER. MATERIAL.: BLACK NYLON, UL V94-0.
- SSL-LX25583GD LED (8 PCS). UNCUT LEADS.
- SSL-LX25583SD/A LED (1 PCS). UNCUT LEADS.
- SSL-LX25583ID LED (1 PC). UNCUT LEADS.
- SORT LEDS FOR MATCHED INTENSITY PER. SPP D202 (GREEN).

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.038), $XX=\pm 0.5$ (± 0.020), $XXX=\pm 0.25$ (± 0.010), $XXXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030), MIN= ± 0.00 (± 0.00), MAX= ± 0.00 (± 0.00).

REV.

PART NUMBER

SSA-LXH1025G8SB111

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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10 UNIT LED ARRAY, 2.5mm x 5mm RECTANGULAR LEDS,
POS. 1~8 565nm GREEN, POS. 9: 430nm BLUE
POS.10: 635nm RED, DIFFUSED PER POSITION, UNCUT LEDS.

DRAWN BY:

GB

CHECKED BY:

APPROVED BY:

DATE: 4.16.02

PAGE: 1 OF 1

SCALE: N/A